



Boccardia proboscidea

Californian Polydroid

Threat Scores

1. Ecological Impact
 - Causes economic losses in aquaculture; negatively affects sediment chemistry
2. Invasive Potential
 - Pan-Pacific distribution including the west coast of North America, Japan, and southeastern Australia
 - This distribution is attributed in part to the production of early and late larval stages that are widely dispersed by ocean currents
3. Geographic Extent
 - Regionally pervasive
4. Management Difficulty
 - Copper compounds suggested for management
 - No known successful eradications once established



Geography and Habitat

1. Native: Pan-Pacific region
2. Introduced: Hawai'i
3. Habitats
 - Marine, intertidal zones, estuaries/bays, aquaculture
 - Found on sandy beaches, intertidal mudflats, sea grass beds and soft rock
 - Also found infesting oysters in aquaculture
 - Highly tolerant of changes in salinity and temperature

Invasion Pathways

1. Hull/Surface fouling
2. Ballast water and sediments
3. Natural spread
4. Stocking in open water - Ostrea edulis oyster shipments

Non-Native Locations

1. 152- Hawaiian Islands

Sources

1. Molnar, Jennifer et al. 2008. Assessing the global threat of invasive species to marine biodiversity. Frontiers in ecology and the environment. Vol. 6, No. 9, pp. 485-492.
2. <http://conserveonline.org/workspaces/global.invasive.assessment>
3. <http://www.annelida.net/nz/Polychaeta/Family/Spionidae/boccardia-proboscidea.htm>